

CIZMESINKIN, Marija, inz. (Zagreb)

Operations on pipelines demand coordination and experienced welders.  
Zavarivanje 4 no.8:174-175 0 '61

1. Zavod za mehanicku tehnologiju, Zagreb; clan Redakcionog kolegija, "Zavarivanje".

GIZMESINKIN, Marija, inz. (Zagreb)

Electromagnetic methods of testing metals. Zavarivanje 3 no.9/10.  
158-164 N-D '60.

1. Zavod za mehanicku tehnologiju, Zagreb; clan Redakcionog kolegija, "Zavarivanje."

CIZMESINKIN, Marija, inz. (Zagreb)

Automatic electric arc welding. Zavarivanje 4 no.8:155-161 0 '61

1. Zavod za mehanicku tehnologiju, Zagreb; clan Redakcionog kolegija, "Zavarivanje".

CIZMESINKIN, Marija, inz.

Testing the welds and the formation of welders in the "Split"  
Shipyards. Zavarivanje 4 no.4:91-92 Ap '61.

1. Clan Redakcionog kolegija, "Zavarivanje"

CIZMESKIN, Marija, inz.

Hydroelectric power plant "Split," assembling of pipelines I and II.  
Zavarivanje 4 no.3:63-64 Mr '61.

1. Član Redakcionog kolegija, "Zavarivanje"

CIZMESINKIN-VRDOLJAK, Marija, inz.

Automatic CO<sub>2</sub> welding. Zavarivanje 5 no.2:31-35 '62.

1. Electrotehnicki fakultet, Split, clan urednistva, "Zavarivanje."

CIZMESINKIN-VRDOLJAK, Marija, inz.

Technique of ultrasonic studies, and interpretations of their indications on the screen. Zavarivanje 5 no.11/12:246-252 D '62.

1. Clan Urednistva, "Zavarivanje".

CIZMIC, Marin

Along with our jubilee. Address delivered by the Director of the Hydroelectric-Power Plant Kraljevac on the occasion of its 50th anniversary. Energija Hrv 11 no.1/2:2 '62.

1. Direktor Hidroelektrane Kraljevac.



CIZMUC, Marin (Kraljevac)

Some less known data on Hydroelectric-Power Plant Kraljevac.  
Energija Hrv 11 no.1/2:37-41 '62.

1. Hidroelektrana Kraljevac.

CIZMIC, Marin

Statistical data for the Hydroelectric-Power Plant Kraljevac.  
Daily production of electric power in megawatt-hour in 1939  
and 1960, respectively. Energija Hrv 11 no.1/2:53-54 '62.

CIZMIC, M.; DOLEZIL, V.

Traumatic rupture of the duodenum diagnosed by retroperitoneum. Acta chir. Iugosl. 10 no.2:163-165 '63.

1. Rendgen odjel (Sef dr M. Cizmic) i Kirurski odjel (Sef dr V. Dolezil) Medicinskog centra u Sibeniku.  
(DUODENAL DISEASES) (ABDOMINAL INJURIES)  
(RETROPERITONEUM) (DIAGNOSIS)

YUGOSLAVIA

Dr Marinko CIZMIG, Radiology Department Medical Center (Rentgen odjel Medicinskog centra), Sibenik.

"Rentgenologic Symptomatology of Incarcerated Membrane of Pulmonary Echinococcus."

Zagreb, Lijecknicki Vjesnik, Vol 85, No 3, 1963; pp 285-289.

Abstract [English summary modified]: Clinical discussion of 2 cases, illustrated with 8 clear rentgenograms. Differential diagnosis may be difficult and require bronchography, tomography and other special radiographic techniques. Two Yugoslav and 4 Western references.

1/1

CIZMIC, N.

Drilling of the MB 31 oil well completed successfully even under complicated working conditions; a brief description of obstacles which prevented normal drilling. p. 159. (MIRMA, Vol. 5, no. 6, June 1954, Zagreb, Yugoslavia)

SO: Monthly List of East European Accessions, (LEAL), LI, Vol. 4, no. 1 Jan. 1955, Uncl.

CIZNIC, N.

18. Oil well MB 31 completed with success even against complicated working conditions. N. Cizmic. *Najta* (Yugoslavia), 1954 3 (3), 159-63. The deep exploratory well MB 31 was located on the western part of the Miran or Prdo structure, with the aim of investigating the existence of crude oil in its Abichi and Prevalenciencian layers. After completing drilling and examination, the following geological profile was stated: to 330 m—pale-dina layers; 330-660 m—sombolde layers; 660-1200 m—Abichi layers; 1200 m and further—Prevalenciencian layers. The drilling was completed in the Prevalenciencian layer at 1670, 7 m after stagnant under-water was found. In the Abichi layer, 3 sandy layers, containing crude oil A, B, and C, were stated. The upper part of the Prevalenciencian layers showed dark, very brittle, and crumbled lime-marl and proved oil-bearing. (Author's abstract.)

*Jan*

C-12 m.c, N.

1419. Inclined drilling-principles and application in Yugoslav practice. N. Gzimic. *Nafta* (Yugoslavia), 1955, 6 (2), 44-60.—Recently in Yugoslavia controlled directional deep well drilling has been initiated. In the first part of the article the principles of controlled directional drilling are laid out. Based on the results obtained with the first directional drilling carried out under the supervision of the author, the analytical as well as graphical representation of the well channel crookedness is treated theoretically. In order to obtain the greatest possible accuracy in stating the actual location of the well channel in the space, the author suggests that through the crooked well channel represented by a double curvature line vertical planes be laid. As the crookedness is measured at predetermined intervals of the channel length, such vertical planes laid through individual parts of the inclined or crooked well channel are considered as wrinkles of a vertical open curtain. The individual wrinkles are further treated as parts of a vertical cyl. thus enabling the author to locate with the aid of suitable projections and with greater accuracy the actual position of the considered channel part in the space.

The results of the theoretical investigation described may be applied practically where exact underground location is essential, for instance in such cases where 2 or more wells are to be carried out in such a way that their distances in some depth are small.  
(Author's abstract.)

CIZMIC, N.

Principles of inclined drilling and their application in our practice.

II. p. 213  
Vol. 6, no. 7, July, 1955.  
NAFTA  
Zagreb

So. East European Accessions List (EEAL), LC.Vol. 5, no. 2, Feb. 1956



✓ 1. Application of directed drilling to Yugoslav practice.  
N. (Mimic, *Nafte* (Yugoslavia), 1986, 7 (4), 103-7. Several  
cases of directed side drillings applied in the oilfields at  
Mramor Bardo and Klaster are described and the desired aims  
explained. The techniques used in these cases are quoted  
and the achieved results analyzed. (Author's abstract)

CIZMIC, N.

What are causes of pluggings in drilling and how to remove them. p. 367.  
(Nafta, Vol. 7, no. 12, December 1956. Zagreb, Yugoslavia)

SO: Monthly List of East European Accessions. (EEAL) LC. Vol. 6, No. 7,  
July 1957. Uncl.

BROMELL, B. J.; CIZMIC, Nikola, ing. [translator]

Vertical drilling. Nafta Jug 11 no.11:292-298 N '60.

1. Great Western Drilling Co., Midland, Texas (for Bromell).

CIZMIC, Nikola, ing. (Zagreb)

Fundamentals of radioactive logging in the petroleum wells. Nafta  
Jug 12 no.10:279-286 0 '61.

1. Naftaplin, Zagreb.

GIZMIC, Nikola, ins.

Fundamentals of the radioactive logging in oil wells. Nafta  
Jug 12 no.11/12:320-326 N-D '61.

1. Naftaplin, Zagreb.

GREEN, J.Thurman; CIZMIC, Nikola, inz. [translator]

Safety measures in rotary drilling. Nafta Jug 13 no.6:133-136  
Je '62.

1. Direktor sigurnosnih mjera Sun Pipe Line Co. (for Green).

GATLIN, Carl; CIZMIC, Nikola, inz. [translator]

Fundamentals of rotary drilling. Nafta Jug 13 no.7:164-168  
J1 '62.

KRAJEIOVA, Viera; CIZNAR, Ivan; KREMER, Vladimir

Chromatographic determination of fatty acids in endotoxins and in whole cells of *Salmonella cholerae suis*. Biologia 17 no.2:148-152 '62.

1. Katedra biochemie Lekarskej fakulty Univerzity Komenského, Ústav epidemiologie a mikrobiologie a Statny veterinarny ustav, pobočka v Bratislave.

(SALMONELLA chem)	(FATTY ACIDS chem)
(CHROMATOGRAPHY)	(TOXINS AND ANTITOXINS)



KFOMLKY, Vladimir, inz.; CIZNAR, Ivan, inz.

Combined electrometric and colorimetric method of determining the artificial neutralization of milk acidity. Veter medicina 9 no.1: 61-68 Ja '64.

1. Central State Veterinary Institute, Bratislava Branch and Institute of Epidemiology and Microbiology, Bratislava.

KRCMERY, Vladimir, inz. CSc.; GIZNAR, Ivan, inz.; HELCLOVA, Miroslava, inz.;  
ZELINKOVA, Eva, dr.

Simple microbiological determination of chlortetracycline and  
vitamin B<sub>12</sub> in feed mixtures. Veter medicina 9 no. 2:123-130  
Mr '64.

1. Central State Institute of Veterinary Medicine, Bratislava  
Branch; Veterinary Hygiene Service of the Central People's  
Committee Prague; and Biochemical Institute of the Faculty of  
Medicine, Comenius University, Bratislava.

FABIANCIK, Miroslav; GIZNAR, Ivan

Sugar separation by means of high-voltage electrophoresis on paper. Chem listy 59 no.3:332-335. Mar '65.

1. State Veterinary Institute, Bratislava, and Institute of Epidemiology and Microbiology, Bratislava. Submitted December 20, 1963.

RUSINKO, M.; MIKULKOVA, V.; CIZNAR, I.; BURJANOVA, B.

Results of study of antigenic cell components of *Cl. perfringens* by precipitation in agar gel medium. I. Study by typing antitoxic sera. J. hyg. epidem. (Praha) 9 no.2:201-206 '65.

1. Department of Microbiology, Slovak Postgraduate Medical Institute, Bratislava, Institute of Epidemiology and Microbiology, Bratislava and Institute of Tuberculosis, Bratislava.

L 17970-6 RM

ACC NR: AP6009988

SOURCE CODE: CZ/0008/65/000/003/0332/0335

AUTHOR: Ferencik, Miroslav; Ciznar, Ivan

ORG: State Veterinary Institute, Bratislava (Statny veterinary ustav); Institute for Epidemiology and Microbiology, Bratislava (Ustav epidemiologie a mikrobiologie)

TITLE: Separation of sugars using high voltage paper electrophoresis

SOURCE: Chemicke listy, no. 3, 1965, 332-335

TOPIC TAGS: electrophoresis, carbohydrate, chemical separation, electric field, metal compound, biochemistry, complex molecule

ABSTRACT: The majority of mono and oligo-saccharides are neutral in an electric field. However some of their complexes with some compounds have an electric charge, and this property allows their separation on a suitable carrier. The complexes suitable for the separation of saccharides are based on compounds of heavy metals, mainly molybdate, tungstate, vanadate, lead acetate, and on arsenites, germanates, sodium hydroxide, and sodium bi-sulfite. The detection of sugars was made by silver nitrate, tri-phenyl tetrazolium chloride, acid phthalate of aniline, and by Elson-Morgan's reagent. The separation method for some sugars and their derivatives is described. Orig. art. has: 1 table. [JPRS]

SUB CODE: 06, 07, 20 / SUBM DATE: 20Dec65 / ORIG REF: 003 / (TH REF: 030

SOV REF: 001

Card 1/1

CZECHOSLOVAKIA

KRCMERY, V.; RAJTAR, V.; CIZNAR, I.; Research Institute of Hygiene (Vyskumny Ustav Hygieny), Bratislava; State Control Institute of Biological Compounds and Drugs (Statna Kontrola Biopreparatov a Lieciv), Nitra; Research Institute of Epidemiology and Microbiology (Vyskumny Ustav Epidemiologie a Mikrobiologie), Bratislava.

"Antigens of Salmonella Cholerae Suis. Preparation by Means of Ultrasound, Autolysis, and Alternating Freezing and Thawing."

Prague, Veterinarni Medicina, Vol 12, No 1, Jan 67, pp 27 - 34

Abstract [Authors' English summary modified]: The antigens prepared by the methods mentioned in the title were analyzed biochemically and immunochemically. Quantitative analysis of N, P, carbohydrates, and lipids showed great uniformity between the methods of preparation of the antigens. Chromatographic analysis was used to identify some of the components of the antigens. Precipitation in agar showed that the antigens prepared by various physical methods had similar composition and that they contained endotoxin. The toxicity of the products was lower than when chemical methods of preparation are used. 4 Figures, 2 Tables, 21 Western, 14 Eastern references. (Ms. rec. 8 Mar 66).

UTRATA, Roman, podplukovník MUDr.; CIZOVA, Eva, promovana lekarka

Some phenothiazine derivatives and their use in military medicine.  
Voj. zdrav. listy 34 no.2:62-64 Ap '65

1. Psychiatrické oddelení Ustřední vojenské nemocnice v Praze  
(náměstník: plukovník MUDr. Ales Rara).

POLAND

CIZYNSKI, Julian

Association of Hydrogeological Enterprises (Zjednoczenie  
Przedsiębiorstw Hydrogeologicznych)

Warsaw, Przegląd geologiczny, No 1, Jan 1966, pages 24-26

"Technical and economic problems of underground water intakes."



CJUKSA, I.

"Aitu audzesana un turesana Latvijas PSR kolchozos. Riga, Latvijas valsts izdevnieciba, 1956. 34 p. (Raising and care of sheep on Latvian collective farms)."

DA

Not in DLC

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

CKPCEK, P.; JUDIN, J.; TESAREK, T.

Results of combined therapy of carcinoma of the breast in patients treated in the clinics of the Oncological Research Institute in Bratislava during the period 1949-1955. Neoplasma, Bratisl. '7 no.1:102-109 '60.

1. Oncological Research Institute, Bratislava, CSR.  
(BREAST NEOPLASMS ther.)

CLAIDIAN, C.

( Tasks of our research workers in 1956. p. 2. CONSTRUCTORUL. (Ministerul Constructiilor si Industriei Materialelor de Constructii si Uniunea Sindicatelor de Salariatii din Intreprinderile de Constructii) Bucuresti. Vol. 8, no. 330, May 1956

So. East European Accessions List Vol. 5, No. 9 September, 1956

SIMITCH, Tch.; GLADILIN, N.; PETROVIC, Zl.; INPES, T.

~~STUDIES ON INTESTINAL HUMAN PARASITES IN YUGOSLAVIA~~  
Studies on intestinal human parasites in Yugoslavia. III. intestinal  
parasites in children in Metohia. Bull. Acad. serbe sc., classe med. 11  
no.2:85-86 1954.

(HELMINTH INFECTIONS, epidemiology,  
in Yugosl., in child.)

SENEZA, I.; NUBERT, I.; CUCURUZ, L.; CLAIANU, I.

Gyometric determinations during childbirth. Romanian med. rev.  
19 no.2365-68 Ap-Je'65.

CLAICIU, I.

EXCERPTA MEDICA Sec 7 Vol 12/11 Pediatrics Nov 58

3109. CONSIDERATIONS ON THE LONG-RUN EVOLUTION OF PULMONARY TUBERCULOSIS IN THE ELDER CHILD, AT PUBERTY AND DURING ADOLESCENCE - Considerații asupra evoluției în timp a tuberculozei pulmonare la copilul mare, la pubertar și la adolescent - Claiciu I., Bărbulescu R. and Simion M. - FTIZIOLOGIA 1957, 6/6 (531-542) Graphs 2 Tables 9

A group of 200 patients aged between 7 and 18 yr. were followed for periods of 3 to 6 yr. (1949-1954). The findings were the following: primary tb treated with antibiotics in general runs a benign course, with an element of greater severity in girls during adolescence and puberty, and in boys during adolescence only. Emphasis is laid on the rather unfavourable prognosis of primary pleurisy. Secondary (bronchogenic) tb in girls runs a course which is the severer the earlier the age of onset; in boys it is only during adolescence that this disease is more severe than generally. Causes contributing to aggravation of the disease are: insufficiency of the hygienic and dietetic treatment, shortcomings of the antibiotic treatment, the individual reactivity factor, and age.

Bazacopol - Bucharest (IV, 7)

S/031/62/000/024/045/052  
B105/B186

AUTHORS: Kraul, Emil, Clapinski, Jan, Sopiela, Wacław, Sobolewski,  
Marian, Rybicki, Zbigniew

TITLE: Methods for producing a fiber from polyvinyl alcohol

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24 (II), 1962, 953,  
abstract 24P1034 (Pol. patent 44511, June 10, 1961)

TEXT: A method is described for the production of a fiber from polyvinyl alcohol by coagulation from aqueous solutions in a bath, dehydration and simultaneous stretching of the deposited fiber, removal of part of the salt contained in the fiber by washing, drying of the fiber, thermal treatment and acetalation. The method distinguishing features of this are as follows: the spinning solution flows from the spinneret into the coagulating bath at a velocity of 12 - 13 m/min. It then follows its course at an angle of  $90^{\circ}$ . The fiber leaves the coagulating bath at 15 m/min; there is a distance of 130 - 150 cm between the exit of the spinning solution from the spinneret and the point at which the fiber changes its direction in the bath. The excess from this bath is removed  
Card 1/2

Methods for producing a fiber from ...

S/081/62/000/024/045/052  
B106/B186

and the fiber is passed through a washing bath which consists of an aqueous solution of sodium sulfate (concentration 140 - 155 g/l). The pH value of the spinning solution and coagulating bath is adjusted to 7 as to yield a spinning solution of polyvinyl alcohol containing <0.2% by weight of ashes. The maximum moisture of the dried fiber is 3% and the maximum drying temperature is 120°C. Before it is dried the fiber ought to contain 35-37% by weight of polyvinyl alcohol, 58 - 60% by weight of water, and 5-7% by weight of salt. The temperature of the washing bath is

25 - 29°C, the washing time of the fiber is ~1 min. [Abstracter's note: Complete translation.]

Card 2/2



CLAR, T.

"Training in the Truck Repair Shops." p. 139 (NOTORYZACJA, Vol. 8, No. 5, May 1953)  
Warszawa

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, no. 10,  
October 1953. Unclassified.

CIARKA, E.

Field brick burning. I.

P. 21. (BUDOWNICTWO WIEJSKIE) (Warszawa, Poland) Vol. 10, no. 1, Jan. 1958

SO: Monthly Index of East European Accession (EEAI) IC Vol. 7, No. 5, 1958

CLAUDER, O.		PROCESSING AND PROPERTY DATA	
CA		1	
<p>Bomb of a new type for determining sulfur and halogens in elementary organic analysis. Otto Clauder, Magyar Gyogyszeresztud. Tarsasag Ertesitoje 11, 246-56(1935).-</p> <p>A bomb of V2A steel was so designed that the steel covers also the lead ring which connects the upper and lower parts of the Bomb. Structural details and design are given. The cotton filament used for ignition is drawn about a 0.1-mm. Pt wire and the matter to be ignited is poured down with a S-free paraffin oil. Ten cc. 3% freshly made <math>H_2O_2</math> soln. is introduced and the bomb filled with O under 20-25 atm. For N-contg. substances the contents of the bomb after being washed out should be repeatedly evapd. with 20% HCl, made up to 100 cc 1 cc N HCl 1 g <math>NH_4Cl</math> and 0.25 g. hydroxylamine-HCl added and the sulfate pptd. with 10 cc. 5% <math>BaCl_2</math> soln. Halogens also can be detd. by ignition in the bomb. For I detns. satd. <math>H_2SO_4</math> soln. is introduced into the bomb, and after ignition and cooling the contents are washed out and the I of and aliquot part of the</p>			
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soln. detd. according to Winkler. The detn. of Br content is similar.

S.S. deFinely

CA CLAUDE, S.

**Substances with tuberculostatic effects.** I. Oxit-  
Chloride, Lajos Tokdy, and Imre Faluricski (Chem. Factory  
Gy.-Műfőrtér, Budapest). Magyar Akad. Lapja 4, 806-807  
(1949).—Drugs used in tuberculosis therapy belong to 3  
groups: chemotherapeutic preps., antibiotics, and sero-  
therapeutic preps. Substances belonging to the 1st group  
were prepd., and the tuberculostatic effects of some ar-  
omatic primary amines and the influence of substituents in  
the para position to the NH<sub>2</sub> group were investigated. The  
experience gained was utilized in the actual production of  
*N*-acetyl derivatives of 4,2-H<sub>2</sub>N(HO)C<sub>6</sub>H<sub>3</sub>C(=OH)<sub>2</sub> and of 2,4-Chl-  
osic acid (*p*-NHC<sub>6</sub>H<sub>3</sub>COH), 4-Nitro-2-amino benzoylic acid (II, m. 261°  
(from EtOH)), was obtained in 95% yield by boiling 30 g. 4,2-  
(from EtOH), in 78 ml. EtOH with 300 ml. 20%  
NaNO<sub>2</sub>, 1 (40–2 g.) was also prepd. by stirring 40 g. active Cl,  
ml. 25% NaOH, powdered chlorinated lime contg. 24 g. active Cl,  
and 50 g. powd. 4-nitrophthalimide, stirred 2½ hrs. at 30–  
40°, then heating to 80°, and adding HCl. 4-Nitrosalicylic  
acid (III) (70–80%), m. 224–6°, was prepd. by treating 60 g.  
with 43 g. anhyd. Na<sub>2</sub>CO<sub>3</sub> in 500 ml. water, dñg. with  
water to 100 ml., adding 1 kg. ice and a freshly-prepd.  
sat'd. aq. soln. contg. 23.2 g. NaNO<sub>2</sub>, then adding cautiously  
a cooled soln. of 78 ml. concd. H<sub>2</sub>SO<sub>4</sub> in 200 ml. water, next  
adding 0.6 kg. ice, stirring 1 hr., adding cautiously 100 g.  
cryst. CaSO<sub>4</sub> in 500 ml. hot water over a period of 90 min.  
at 90–100°, boiling 30 min., and crystg. from 50% EtOH.  
4-Nitrosalicylypyrrol chloride (IV) (100%), m. 81–2° (from petr.  
ether), was obtained by heating 91.5 g. II, 270 ml. SOCH<sub>3</sub>,  
and 0.2 g. anhyd. AlCl<sub>3</sub> on a water bath (90–95 min.). Pr  
4-methylsalicylate (V), m. 30–2° (from EtOH), was obtained  
in almost 100% yield by treating III with excess EtOH  
1 hr. on a water bath, dissolving the oily product in C<sub>6</sub>H<sub>6</sub>,  
and distg. at 150–5° and 3 mm. Pr 4-aminoxalicylate (VI),  
m. 104–5° (from EtOH), was obtained in 13-g. yield by  
hydrogenating 20 g. IV in 100 ml. EtOAc with Raney Ni,  
filtering, and distg. *in vacuo* below 50°. V was also prepd. by  
boiling 43 g. Fe filings, 130 ml. 70% EtOH, and 2.6 ml.

coned. HCl several min., slowly adding 40 g. IV, neutralizing with alkali carbonate, and filtering. V, HCl, m. 171-4°. Was obtained from 2 g. V with dry HCl in 5 ml. dry EtOH. *Pr 4-acetamidosalicylate*, ca. 139-40° (from EtOH), was obtained from V with AcCl in CCl<sub>4</sub>. *Pr 4-propionylaminosalicylate*, m. 151°, was obtained from V in CCl<sub>4</sub> with *salicylate*, m. 151°, was obtained from V in CCl<sub>4</sub> with Et<sub>2</sub>CO. *Pr 4-benzamidosalicylate*, m. 103-5° (from EtOH), was obtained by benzoylating V in CCl<sub>4</sub> in the presence of C<sub>6</sub>H<sub>5</sub>N. *Pr 4-phenylaminosalicylate*, m. 144-5° (from oxalic ester), was obtained by heating V 1 hr. with an equiv. amt. of *o*-C<sub>6</sub>H<sub>4</sub>(CO<sub>2</sub>H) and some C<sub>6</sub>H<sub>5</sub>N in CCl<sub>4</sub>. *Bu 4-nitrosalicylate*, (VI), b. 100-4°, was obtained in 90% yield by boiling 200 g. II, 500 ml. BuOH, 400 ml. CCl<sub>4</sub>, and 20 ml. concd. H<sub>2</sub>SO<sub>4</sub> in a special distn. app. 6 hrs. *Bu 4-aminosalicylate* (VII), m. 85° (from EtOH), was obtained by treating VI as described for V. *Bu 4-aminosalicylate* by treating VI as described for V. *Bu 4-aminosalicylate* by treating VI with dry HCl, m. 151-5°, was obtained by treating VII with dry HCl. *Bu 4-acetamidosalicylate*, m. 118-20° (from EtOH), was obtained from VII in CCl<sub>4</sub> with AcCl. *Bu 4-propionylaminosalicylate*, m. 130-3° (from EtOH), was obtained from VII in CCl<sub>4</sub> with Et<sub>2</sub>CO. *Iso-bu 4-nitrosalicylate* (VIII), m. 48-52°, was obtained similarly. *Iso-bu 4-aminosalicylate*, m. 85° (from EtOH), was obtained from VIII as described for V. *Ph 4-nitrosalicylate* (IX), m. 148-50° (from glacial AcOH or oxalic ester), was obtained by adding 20.1 g. III in 15 ml. dry CHCl<sub>3</sub> to 9.4 g. PhOH in 15 ml. dry CHCl<sub>3</sub> and 9 ml. abs. C<sub>6</sub>H<sub>5</sub>N, heating on a water bath 2 hrs., cooling, and filtering. *Ph 4-aminosalicylate*, m. 148° (from dil. EtOH), was obtained by hydrogenating 5 g. IX (from dil. EtOH) with Raney Ni, filtering, heating in 40 ml. dioxane at 60° with Raney Ni, filtering, heating with dry HCl, again filtering, heating the ppt. with 30 ml.

отм

COMMON ELEMENTS		PROCESSING AND PROPERTIES INDEX		COMMON VARIABLES INDEX	
<p><i>Handwritten:</i> 11/20/50, D.</p> <p>Magyar Kemiai Folyoirat Hungarian Journal of Chemistry vol. 46 1950 no. 12 december</p> <p>O. Clauser and L. Toldy Substances with tuberculostatic effects III (See Hungarian Technical Abstracts, No. 2, p. 7, and Hungarian Journal of Chemistry, Vol. 56, p. 61, 1950)</p>		<p>1950-1951 METALLURGICAL LITERATURE CLASSIFICATION</p>		<p>1950-1951</p>	
<p>1950-1951</p>		<p>1950-1951</p>		<p>1950-1951</p>	

CA CLAUDET, S.

10

Triazine derivatives with a diuretic effect. I. (1930). Claudet and Gyula Bulesi (Richter Gyógyszer- és Vegyészeti Gyár N.Y., Budapest, Hung.). *Magyar Kém. Folyóirat* 57, 88-74 (1931). A search was made for triazine derivs. with a strong diuretic effect and without harmful secondary effects. When an alkyl group is substituted at the 6-position, the physiol. effect of the product is weaker. Substitutions in the amino groups gave more favorable results. 2,4-Diamino-*s*-triazine (formoguanamine) (I) was

the basic structure with the generalized formula:  $C(NR^1)$

$R^2:N.C(NR^3R^4):N.CR^5:N$ . When  $R^1$  and  $R^2$  are Me groups and  $R^3$ ,  $R^4$ , and  $R^5$  H atoms, the product has weaker physiol. effects than original I. When  $R^1$  and  $R^2$  are replaced by an alkyl chain with 5 C atoms closed in a heterocyclic ring, such as piperidine, the diuretic effect is less. When both  $R^1$  and  $R^2$  are Et groups, the diuretic effect reaches that of I. The strongest diuretic effect is observed when  $R^1$  is Ph or a halogenated Ph group and  $R^3$ ,  $R^4$  are H atoms. The use of biguanide derivs. as starting materials was the most suitable method for the prepn. of these compds. Biguanides were prepd. by the Slotta and Tschesche method (cf. *C.A.* 23, 1830). In place of 100%  $HCO_2H$ , 85-6%  $HCO_2H$  was satisfactory for the condensation of biguanides, resulting in yields mostly above 70%. The new 2-substituted-4-amino-*s*-triazine with yield and diuretic effect (detd. by the Lipschitz method (cf. *L., et al., C.A.* 38, 1014)), resp.,

etc.: anilino HCl salt, m. 238-60°, 73%, 280; toluidino, m. 165-6°, 67%, 80; *p*-toluidino, HCl salt, m. 264-5°, 79%, 1500; 2,4,5-trimethylamino, HCl salt, m. 182-4°, 119%, 1250; *p*-chloranilino, HCl salt, m. 277-8°, 66.6%, 1000; *p*-bromanilino, HCl salt, m. 282-4°, 83%, 3120; *p*-dimethylaminocandino, m. 226-6°, 70%, 400; *N*-methyl-anilino, m. 185-6°, 83%, 500; *p*-chloranilino-*t*-diethylamino, HCl salt, m. 191-2°, 60.2%, 1150; (2,4,6-trimercandino), m. 232-3°, 80.2%, 500; dimethylamino, m. 140-40°, 68%, 25; diethylamino, m. 164-5°, 86.8%, 280; *p*-methoxycandino, m. 242-3°, 70.1%, 240; *p*-ethoxycandino, m. 200-10°, 81%, 340; *α*-naphthylamino, m. 206-7°, 63%, 15; 2-diphenylamino, m. 206°, 35%, nil. The following substituted *s*-triazines are also reported: 4-amino-2-*α*-lino-6-methyl, 156-7°, 60%, nil; 4-amino-2-anilino-6-ethyl, 156-7°, 55%, nil; 2-dimethylamino-4-methylamino, m. 193-4°, 70%, 50. In the condensation of derivs. of (2-amino-pyridyl), (2-benzylaminopyridyl), and (2-aminothiazolyl) biguanide under similar conditions, the ring closure was unsuccessful.

István Fényi





KIDUS, Laszlo,; CLAUDEK, Otto,; BAGDY, Daniel,; TOKA, Jozsef.

Use of lyophilized cattle plasma in culture of Mycobacterium tuberculosis. Kiserletes orvostud. 7 no.2:150-153 Mar 55.

1. Budapesti Orvostudományi Egyetem I. sz. Belgyógyászati Klinikája és Tudógyógyászati Klinikája.

(PLASMA,

lyophilized, in culture of M. tuberc.)

(MYCOBACTERIUM TUBERCULOSIS, culture

medium, lyophilized plasma in)

(CULTURE MEDIA

for M. tuberc., lyophilized plasma in)

CLAUDER, Otto, dr.; MIDUS, Laszlo, dr.; SZUCS, Sandor, dr.; Kolban,  
~~and others~~ fifty.

Investigations on tuberculostatic effects; cyanoacetic acid hydrazide,  
and certain of its derivatives. Tuberk. kerdessi 8 no.2:45-47  
Apr 55.

(ACETIC ACID, derivatives,  
cyanoacetic acid hydrazide, ther. use, tuberc.)

(TUBERCULOSIS, therapy,  
cyanoacetic acid hydrazide)

EIDUS, László, dr.; CLAUDEK, Otto, dr.; VIRGINE-KOLBAN, Kitty

Methods and results of testing antituberculous in test tube experiments. Tuberk. kérdesei 9 no.3:109-114 June 56.

1. A Budapesti Orvostud. Egyetem I. sz. Belgyógyászati Klinikájának (igaz: Ruzsnyák, István, dr. egyet. tanár) és Tudógyógyászati Klinikájának (igazgató: Kovács, Ferenc, dr. egyet. tanár) közl.

(MYCOBACTERIUM TUBERCULOSIS, culture

media for cultures in test tubes, prep. & testing methods (Hun))

(CULTURE MEDIA

for M. tuberc. in test tubes, prep. & testing methods (Hun))

CLAUDER, O.

EIDUS, L.; CLAUDER, O.; VAGI-KOLBAN, K.

Results and methods of in vitro studies on antituberculous agents. Acta microb. hung. 4 no.2:131-146 1957.

1. I. Innere Klinik und Klinik für Lungenkrankheiten der Medizinischen Universität, Budapest.

(MYCOBACTERIUM TUBERCULOSIS, eff. of drugs on testing of antituberc. agents in vitro (Ger))

HUNGARY/Chemical Technology. Chemical Products and Their Application. H-17  
Pharmaceuticals. Vitamins. Antibiotics.

Abs Jour: Ref Zhur-Khin., No 2, 1959, 5705.

Author : Toldy, Lajos; Spitz, Dones; Clauder, Otto.

Inst :

Title : Tuberculostatically Active Compounds. Preparation of  
Thiosenicarbazone of p-Acetylamino benzaldehyde.

Orig Pub: Magyar kem. folyoirat, 1957, 63, No 1, 27-28.

Abstract: For the industrial synthesis of thiosenicarbazone of  
p-acetylamino benzaldehyde (I), p-nitrotoluene is reduced  
with Na-polysulfide, the alkaline solution is mixed  
with the solution of thiosenicarbazide, acidified with  
CH<sub>3</sub>COOH and the produced thiosenicarbazone of p-amino ben-  
zaldehyde (II) is acetylated. In this way it is possible  
to avoid polymerization from taking place in the separa-

Card : 1/3

HUNGARY/Chemical Technology. Chemical Products and Their Application. H-17  
Pharmaceuticals. Vitamins. Antibiotics.

Abs Jour: Ref Zhur-Khin., No 2, 1959, 5705.

tion of p-aminobenzaldehyde (III) and to utilize all the  
III obtained for the synthesis of I. Suspension of 30 g  
of S powder in 50 ml of alcohol is added to 600 ml of  
aqueous solution of 62.5 g of NaOH, the mixture is boiled  
for about 30 min. until S dissolves, solution of 50 g  
of nitrotoluene in 250 ml of alcohol is added and all is  
boiled for 1.5 hour. Solution of 16.5 g of thiosemicar-  
bazide in 160 ml of hot water is cooled to 20° and added,  
the mixture is carefully acidified with 50% CH<sub>3</sub>COOH and  
50-54 g of II contaminated with S is filtered off. De-  
composition point 192° (from alcohol). 600 ml of ace-  
tone is added to the product, it is stirred for several  
minutes, the insoluble admixtures are filtered off, 24  
ml of (CH<sub>3</sub>CO)<sub>2</sub>O and 2 ml of pyridine are added to the

Card : 2/3

HUNGARY/Chemical Technology. Chemical Products and Their Application. H-17  
Pharmaceuticals. Vitamins. Antibiotics.

Abs Jour: Ref Zhur-Khin., No 2, 1959, 5705.

filtrate, the mixture is allowed to stand for 16 hours,  
and 30 - 33 g of I is filtered off, decomposition point  
225 - 227° (after crystallization from 75% alcohol 25 -  
28 g of purified I is obtained, decomposition point 230 -  
233°). - V. Ufimtsev.

Card : 3/3

CLAUDER, O.

SCIENCE

PERIODICAL: HACHAR KEMIAI FOLYOIRAT. Vol. 64, No. 7/8 July/Aug. 1958

Clauder, O. Stereochemical ~~structure~~ and rearrangements of dihydrotriazine derivatives. p. 310

Monthly list of East European Accessions(EFAI) LC, Vol. 3, No. 2, 1959  
February 1959, Unclass.



SOLTI, F.; CLAUDER, O.; FEHR, G.A.; PREISICH, P.; KASSAY, G.

Effect of sodium lactate in conduction disturbances of the heart with special respect to overdigitalization. Acta med. Hun. 14 no.4:405-413 '59.

1. The 1st Department of Medicine, University Medical School, Budapest.

(LACTATES pharmacol.)  
(HEART DISEASES ther.)  
(DIGITALIS toxicol.)

SOLTI, F.; GERGELY, R.; MARTON, I.; CLAUDER, O.

On the changes in postoperative Na, K values and water metabolism.  
Acta chir. Acad. Sci. Hung. 3 no.1:63-71 '62.

I. I Medizinische Klinik (Direktor: Prof. Dr. I. Rusznyak) und I  
Chirurgische Klinik (Direktor: Prof. Dr. Dr. h. c. E. Hedri) der Medi-  
zinischen Universität, Budapest.

(WATER-ELECTROLYTE BALANCE) (SURGERY OPERATIVE)

SISKA, Miklos; CLAUDER, Otto; RUFF, Ferenc; MAGDA, Katalin; SZEGI, Jozsef

New phenothiazine derivatives III. Acta pharm. Hung. 3<sup>rd</sup> no.6:  
272-279 N '65.

1. Submitted June 14, 1965.

CLAUDIAN, C.

Decorative ceramic masonry materials with visible surface. p.72.

EPITOANYAG. (Epitoanyagipari Tudományos Egyesület)  
BUDAPEST, HUNGARY  
Vol. 11, no.1/2, Jan./Feb. 1959

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no.7, July 1959  
Uncl.

CLAUDIAN, L.

Additional improvements in the technological process of manufacturing nitrated fertilizers at the I. V. Stalin Chemical Combine with the view of increasing their productive efficiency, and of reducing the costs of manufacture.  
p. 284.

REVISTA DE CHIMIE. Bucuresti, Rumania. Vol. 10, no. 5, May 1959.

Monthly List of East European Accessions. (EEAI), LC. Vol. 8, no. 9, <sup>Sept.</sup> 1959.  
Uncl.

CLAUS, Alajos

"Mehezipari Muszaki Egyetem Közleményei", vol.3, pt.1; a periodical  
review by Alajos Claus. Koh lap 93 no.2:90-91 F '60.

Claudian, Virgil. Identities and Diaphantine analysis  
 Buc. Bull. Bucuresti 54, 292-309 (1949). (Romanian)

Source: Mathematical Reviews,

Vol. 1 No. 1

SNW 22

C.A.

CLAUS, A.

7

The dressing of raw materials processed in blast furnaces.  
Alajos Claus. *Bányász. Közl.* Lajos 88, 184-93 (1930).—  
A crit. summary of methods of utilization of air, coke, ore,  
and limestone. The capacity of roasting furnaces was  
doubled by the introduction of forced air. István Fényi



CLAUS A.

TECHNOLOGY

Periodical: KCHASZATI LAPOK Vol. 17, no. 1, 1959

CLAUS, A. Műhezipari Muszaki Ehyetem közleményei. II. kötet.  
(Publications of the Technical University of Heavy Industry:  
Vol. 2); a book review. p. 42. Critique, Vol. 10, no. 1.

Monthly List of East European Accessions (EEAI) 10, Vol. 8, No. 5,  
May 1969, Unclass.

SZELE, Mihaly, egyetemi tanar; MARTOS, Ferenc; CLAUS, Alajos; HARGITTAY, Sandor; VERO, Jozsef, dr.

An account of the Executive Committee session held on May 24, 1957.  
Koh lap 12 no. 4/5 199-208 Ap-May '57.

1. Orszagos Magyar Banyaszati es Kohaszati Egyesulet elsoke  
(for Szele).
2. Orszagos Magyar Banyaszati es Kohaszati Egyesulet fotitkara  
(for Martos).

Claus, F.

Claus, F. Struggle against traffic accidents in the German Democratic Republic. p. 460.

Vol. 10, no. 15, July 1956  
SVET MOTORU  
TECHNOLOGY  
Czechoslovakia

So: East European Accessions, Vol. 6, May 1957  
No. 5

CLAUS, GY.

Investigation and industrial use of the cellulose content of threadlike green algae found in great quantities. p. 190

HIDROLOGIAI KOZLONY. HYDROLOGICAL JOURNAL. (Magyar Hidrologiai Tarsasag) Budapest. Vol. 35, no. 5/6 May/June 1955.

SOURCE: East European Accessions List (EEAL), Vol. 5, No. 2, February 1956

CLAUS, J.

171. Positive latex for fabric and fibres. J.  
CLAUS. *Prakt. Chem.* 1954, 5, 183-90. Rubber  
Sci. Publ. 5021. The electrical principles of  
the Positex process are explained. In alkaline  
solution fibres have a negative charge while latex  
particles are positive through treatment with  
cationic soaps. Advantages of the Positex process  
are strengthening of the fabric and better abrasion  
resistance. Shrinking is considerably reduced. In  
France a similar product is marketed as Xeral.

2020121

CLAUS, J.

Detection service for apple moths and practical results of protection. p. 206.  
KOZLEMEYEI, Budapest. Vol 8, no 1/2, 1955.

SOURCE: EEAL Vol 5, no. 7, July 1956.

COUNTRY : POLAND H  
 CATEGORY : Chemical Technology. Chemical Products and Their  
 Applications. Chemical Processing of Natural \*  
 ABS. JOUR. : RZhKhim., No 17, 1959, No. 62231  
 AUTHOR : Clazer, W.; Szurnita, B.  
 INSTITUTE :  
 TITLE : Economics of Commercial Manufacture of Acetylene  
 from Carbide and by Partial Oxidation of Methane  
 ORIG. PUB. : Zesz. nauk. Szkoly glown. planow. i statyst., 1958  
 No 8, 123-131  
 ABSTRACT : Compared are manufacturing costs of acetylene  
 (1 ton basis) produced in accordance with the  
 usual method (from calcium carbide) as against  
 the methane partial oxidation method (natural gas).  
 It is shown that under conditions prevailing in  
 Poland, acetylene production in accordance with  
 the latter method is by 27% cheaper. In addi-  
 tion, when employing this method, the synthesis  
 gas produced is suitable for the production of  
 \*Gases and Petroleum. Motor and Rocket Fuels.  
 Lubricants.

1/2

CLEANOVEANU, A.

AGRICULTURE

PERIODICAL: REVISTA PADURILOR. Vol. 73, no. 10, Oct. 1958

CLEANOVEANU, A. The establishment of an observation plan in forest triangulation of the 4th and 5th order. p. 585.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4  
April 1959, Unclass



CLEANOVEANU, A.

AGRICULTURE

Periodicals: REVISTA PADURILOR Vol. 73, no. 11, Nov. 1958

CLEANOVEANU, A. Methods of drawing up a plan of observations in the triangulation of the 4th and 5th orders. Iip. 669

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,  
February 1959, Unclass.

CLEANOVEANU, Alex., ing.

Fourth National Conference of Geodesy on Mechanization and  
Automation, Prague. Rev geodezie 9 no.1:68-70 '65.

CLECLERSKA, D.; KRAUSE, A.

Inorganic heterogeneous catalysts of the ferric type which accelerate the hydrolysis of starch. p.1389.

ROCZNIKI CHEMII. Warszawa, Poland. Vol. 32, no. 6, 1958.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959  
Uncl.

~~CLEENER~~ CLENER, BIA.  
Country : Rumania  
Category : Microbiology. Microbes Pathogenic For Man and Animals.  
Bacteria. Cocci.  
Abs. Jour : Ref Zhur-Biol., No 23, 1958, No 103806  
and Clesner)  
Author : Soru, Eugenia; Toma, Ecaterina; Baldovin, Coralia; Dimitriu  
Institut. : Acad. RPR, medical section  
Title : Enzymatic Splitting of Arginine as a Criterion of  
Differentiation of Various Species of Streptococci. The  
Use of Paper Chromatography as a Method of Studying the  
Splitting of Arginine.  
Orig. Pub. : Bul.stint.Acad.RPR, Sec.med., 1957, 9, No1, 179-190  
Abstract : By means of the method of paper chromatography and  
chemical methods a study was made of the changes in  
arginine under the influence of Streptococcus viridans  
and Streptococcus hemolyticus, which were in the resting  
state. S. viridans did not produce any changes in argi-  
nine, whereas hemolytic streptococci split arginine to  
ornithine and ammonia by means of arginine dehydrase.  
The hemolytic streptococci are divided into two groups  
by authors: representatives of one group form only  
ornithine and ammonia; those of the other, citrulline as  
well. In the later case, the intensity of ornithine  
production is inversely proportional to the intensity of  
citrulline formation. The authors recommend the method

Card:

1/2

F-43

Country :  
Category :

Abs. Jour : Ref Zhur-Biol., No 23, 1958, No 103805

Author :  
Institut. :  
Title :

Orig Pub. :

Abstract : nation of viruses adsorbed by bacteria/, which gives  
(Cont.) a positive result in 80.4 percent of cases. The author  
recommends this reaction as an auxiliar method for the  
diagnosis of forma frusta of scarlet fever and scarlet-  
fever anginas. Bibl. 28 titles.—V. V. Vlodavets.

Card: 2/2

CLEJ, O.

Organization and improvement of the food industry supplying.  
Ind alim veget 13 no.4:97-102 Ap '62.

1. Ministerul Industriei Alimentare.

*CLej, V.*

ROMANIA

ILIESCU, G.C., Professor; MINAILESCU, V.V., MD; MINESCU, R., MD;  
CLEJ, V., MD; SUCURNE, S., MD.

Bucharest, Viata Medicina, No 9, 1 May 63, pp 595-602

"Present Possibilities of Treating Arterial Hypertension."  
(Conclusions drawn from the analysis of cases hospitalized  
in 1961 in the ASCMR Medical Station. Paper submitted  
to the U.S.S.R., Section of Medicine, Bucharest Branch,  
on 3 April 1962.)

ILIESCU, C.C., prof.; MIHAILESCU, V.V.dr.; ENESCU, R. dr.;  
PASTIU, V., dr.; SVETZ, M.dr.; SEENGHE, S.dr.; ARON, L., dr.;  
CLEY, V.dr.; MALITCHI, E., dr.; PIRIOG, C.dr.; RADESCU, R., dr.;  
ILIESCU, A., dr.; CHIRILA, O., dr.; GRETU, S.

Natural history of arterial hypertension. Statistical observations  
on 3800 cases followed up for at least 10 years.  
Med inter 15 no. 5:563-571 My '63.

1. Lucrare efectuata la ASCAR, Bucuresti.  
(HYPERTENSION)



MIHAILESCU, V.V., dr.; CLEJ, V.dr.; ENESCU, R., dr.; SBENGHE, S., dr.

Considerations on the renal side-effects during treatment of  
arterial hypertension. Med. intern. 16 no.1:79-82 Ja'64.

1. Lucrare efectuata la ASCAR (director: prof. C.C.Iliescu).

\*

29(0)

AUTHOR:

Cleja, Vladimir, Engineer

RUM/2-59-10-37/39

TITLE:

The Automation of Cosmic Research

PERIODICAL:

Știință și tehnică, 1959, Nr 10, Supplement "The First Automatic Interplanetary Station", p 2 (RUM)

ABSTRACT:

The author describes the automatic functions of the interplanetary station launched by the Soviets on October 4, 1959. The instruments of the station measure various electrical and non-electrical data, like the pressure and temperature inside and outside the station, density of the cosmic dust, frequency of the meteorites, the intensity of various radiations and of the magnetic field, the distance from other celestial bodies, etc. From the earth, orders are released which control each of the measuring devices at a due moment. The results are recorded by a memory device. Later the recorded material is transmitted 2 to 4 hours daily. Information once transmitted can be cancelled from the memory device. Classical reception methods for signals transmitted from

Card 1/2

29(0)

RUM/2-59-10-37/39

AUTHOR: Cleja, Vladimir, Engineer

TITLE: The Automation of Cosmic Research

PERIODICAL: Știință și tehnică, 1959, Nr 10, Supplement "The First Automatic Interplanetary Station". p 2 (RUM)

ABSTRACT: The author describes the automatic functions of the interplanetary station launched by the Soviets on October 4, 1959. The instruments of the station measure various electrical and non-electrical data, like the pressure and temperature inside and outside the station, density of the cosmic dust, frequency of the meteorites, the intensity of various radiations and of the magnetic field, the distance from other celestial bodies, etc. From the earth, orders are released which control each of the measuring devices at a due moment. The results are recorded by a memory device. Later the recorded material is transmitted 2 to 4 hours daily. Information once transmitted can be cancelled from the memory device. Classical reception methods for signals transmitted from

Card 1/2

The Automation of Cosmic Research

RUM/2-53-10-37/39

the moon are inadequate. Therefore, new methods have been developed based on information theory. All this has been made possible due to the high level of development of Soviet science and technology. There is  
1 diagram. ✓

Card 2/2

R/008/60/000/016/007/008  
A231/A126

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26095

AUTHORS: Cleja, V.; Pavelescu, D.

TITLE: On the errors in the magnetic tape recordings of parameters with slow variation

PERIODICAL: Studii și cercetări de mecanică aplicată, no. 6, 1960, 1,587 --1,597

TEXT: The article presents a series of theoretical consideration on the errors of the magnetic tape recording of slow variation (0 - 10 cps), as well as on the eliminating and compensating methods. The authors have established the following errors of the magnetic tape recordings: 1) The output voltage of the sound head is:  $e = K \frac{dB}{dt}$  (1), or in case of stationary oscillations:  $e = K\omega B$ , (2) where B is the remanence induction of the magnetic carrier,  $\omega$  the pulsation of the recorded oscillation, and K the proportionally coefficient of the magnetic head. 2) At present it is not possible to produce magnetic tapes with an absolute uniform sensitivity of the magnetic layer. 3) Since the frequency of the reproduced signal is proportional to the moving velocity of the magnetic carrier, the level of the reproduced signal is also proportional to the moving velocity. 4) Due to mechanical forces, there are mechanical distortions of the magnetic

Card 1/3

26095

R/008/60/000/006/007/008  
A231/A126

On the errors in the magnetic tape recordings of....

tape. 5) Due to various causes, e.g., the non-uniformity of the tape thickness, there appears a variation of the distance between the magnetic carrier and the slot of the magnetic head, leading to a reduction of the reproduced signal level:  $A \approx 54.6 \frac{d}{\lambda}$  (3), where  $A$  is the level reduction in db,  $d$  the distance between carrier and slot, and  $\lambda$  the wave length of the recorded oscillation. 6) The disturbing signals generated by the above-mentioned errors are modifying the useful signal by being multiplied with it and not by being added to it. - Methods of eliminating the errors: 1) The differentiating effects are compensated by selecting the frequency characteristics of the recording. 2) In case a signal which has a spectrum ranging between  $F_1 - F_2$  is recorded at a tape velocity  $V$ , and is reproduced with a  $V' = n \cdot V$  velocity, the spectrum of the reproduced signal will range between  $n \cdot F_1$  and  $n \cdot F_2$ . This method can be used only in special cases. 3) The frequency spectrum can be transformed and simultaneously moved on the frequency scale by using a modulation system, by which a reproduction of variations becomes possible. The authors continue by explaining the methods for modulations: amplitude modulations; amplitude modulation without carrier; frequency and phase modulation; code impulse modulation. The error compensation can be accomplished in three ways: 1) Superposition in counterphase of the correcting signal with the signal coming from the useful channel. 2) Another method consists in driving

Card 2/3

26095

R/008/60/000/005/007/008  
A231/A126

X

On the errors in the magnetic tape recordings of....

the parameters of an amplifier by the compensating signal in such a way that the amplification coefficient should drop if the signal level increases and vice versa. 3) A third method consists in referring the distorted signal to the correct- ing signal. This method can be accomplished by relatively simple means. Conclu- sions: 1) The common modulation methods amplify the disturbance of the magnetic recording of slow variation parameters. 2) The amplitude modulation without car- rier does not amplify these disturbances, but requires an additional channel. The code impulse modulation seems to be the only adequate method. The common methods can be applied by using an additional channel in order to compensate the errors. There are 5 figures and 6 references: 5 Soviet-bloc and 1 non-Soviet- bloc. The reference to the English-language publication reads as follows: H.D. Scott: A multiple channel D.C. recording system. Electronic Engineering, June (1959).

ASSOCIATION: Institutul de cercetări electrotehnice (Electrotechnical Research Institute) (V. Cleja)

SUBMITTED: July 14, 1960

Card 3/3

CLEJA, Vladimir; CONSTANTINESCU, Paul

A duality theorem for the circuits of commutation. Comunicarile  
AR 12 no.2:207-211 F '62.

1. Comunicare prezentata de academician Gr. Moisil.



CONSTANTINESCU, Paul; CLEJA, Vladimir

The two-level transistorized circuits controlled on the collector.  
Studii cerc mat 13 no.3:484-498 '62.

CLEJA, V.; CONSTANTINESCU, Paul

On the synthesis of a remote control diagram. Probleme  
automatiz 41-49 5 N '62.

8/04/63/000/012/042/050  
A060/A126

AUTHORS: Constantinescu, Paul, Cleja, Vladimir

TITLE: Two-level transistor circuits controlled through the collector

PERIODICAL: Referativnyy zhurnal, Matematika, no. 2, 1963, 50, abstract 2V252  
(Studii și cercetări mat. Acad. RPR, 1962, v. 13, no. 3, 485 - 498;  
Hungarian; summaries in Russian, French)

TEXT: The authors consider p-n-p and n-p-n transistors controlled through the base, emitter or collector in circuits with two levels. Since the control signals are fed also to the collector, new types of circuits are obtained as compared with the work of Moisil (Moisil, G.C., Circuite cu transistori, I, 1961, București).

Author's summary

[Abstracter's note: Complete translation]

Card 1/1

OLEJA, V. CONSTANTINESCU, P.

Analysis of some transistor circuits in calculating machines. Probleme  
automatiz 4:37-42 '63.

CLEJA, Vladimir, ing. (Bucuresti); VASCAN, Teodor, ing. (Bucuresti)

Repeated impulse generator for the study of impulse behavior and the defectoscopy of rotative electric machines. Electrotehnica 11 no. 5:180-188 My '63.

1. Sef de laborator la Institutul de cercetari electrotehnice Ifor Cleja).
2. Cercetator la Institutul de cercetari electrotehnice (for Vascan).

L 45780-65

ACCESSION NO: AP5014776

RU/CO11/64/008/004/0166/0157

AUTHOR: Sirbu, M. (Engineer); Duma, M. (Engineer); Cleja, V. (Engineer)

TITLE: Industrial telemechanics, automation and railway telemechanics

SOURCE: Automatica si electronica, v. 8, no. 4, 1964, 166-167

TOPIC TAGS: electric industry, electric engineering, automation, automation equipment, railway equipment, electric equipment

Abstract: A survey of the achievements of the Rumanian electro-technical industry with regard to the development of telemechanical and automation equipment, starting from the telemeasurement devices developed in 1955-57 (televoltmeters, teleammeters, etc.) to the remote control devices using pulse codes and transistors with transistors introduced in 1961. In the field of telemechanization a number of achievements are mentioned including the construction of devices with magnetic relays for the electrodynamic centralization of the stations and transistorized telemechanical equipment for the remote control of dispatching activities at up to 20 stations from a single post.

Card 1/2

I 15780-55

ACCESSION NO: AP5014776

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: 1E, 30

NO REF SOV: 000

OTHER: 000

JPRS

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Card

CRISTRA, M.; CLEJAN, L.; GHIZARI, Eugenia; NICOLAESCU, T.

Studies on the value of the test with serous histaminopexy for the diagnosis of allergic diseases. Studii cerc fiziol 6 no.1:73-78 '61.  
(EEAI 10:9)

1. Institutul de fiziologie normala si patologica "Prof. Dr. D. Danielopolu" al Academiei R.P.R. 2. Secretar stiintific al Comitetului de redactie, "Studii si cercetari de fiziologie"(for Cristea). 3. Membru al Comitetului de redactie, "Studii si cercetari de fiziologie" (for Nicolaescu).

(ALLERGY) (BLOOD SERUM) (HISTAMINE)



Clejan, Liviu

✓ Research on the anticholinesterase action of strophanthin, Lucia Parteni, Maria Corneanu, and Liviu Clejan. *Commun. Acad. Rep. Populare Romine* 5, 229-33 (1955). The analysis of 9 expts. on dogs shows that in two strophanthin inhibits cholinesterase of the erythrocytes. The pseudocholinesterase is not influenced in 4 expts. and lightly inhibited in 3. The only expt. where the strophanthin shows activation of the cholinesterase was a pathology case. A. Hahner

3 → No. Jan. 1955

So: East European Academic J. (EEAJ)  
Re, Vol. 5 No. 3, 1956 March

CLEJAN, L.

SPIRCHES, T., Conf.; STOICHITA, S., dr.; MARINESCU, E., dr.; SCHIAU, S., dr.;  
DULGHERU, Carmen, dr.; CONSTANTINESCU, S.; TACORIAN, S., dr.;  
ALOMAN, Lucia, dr.; IONESCU, F.; STOICA, M.; CLEJAN, L.;  
ALOMAN, N.

Physiopathology of dystonia of the afferent loop and of hepato-  
biliary disorders in the gastrectomized. Med. int., Bucur. 9  
no.2:231-247 Feb 57.

1. Lucrare efectuata in Clinica medicala si terapeutica nr.  
V, Bucuresti (director, conf. T. Spirchez).

(GASTRECTOMY, complications  
postop. afferent loop synd. & hepato-biliary disord.,  
(GASTROINTESTINAL DISEASES  
post-gastrectomy dystonia of afferent loop & hepato-  
biliary disord.)  
(LIVER DISEASES  
post-gastrectomy hepato-biliary disord.)  
(BILIARY TRACT, diseases  
(SAME)

NITESCU, I.I.; GABRIELESCU, Elena; CLEJAN, L.; BORDEIANU, Aurelia;  
NICOLAU, Vantita.

Influence of avitaminosis B<sub>1</sub> upon the reaction of the vital coloration  
of brain. Studii cerc fiziol 4 no.4:441-448 '59. (EEAI 9:9)

1. Institutul de fiziologie normala si patologica "Prof. Dr.  
D.Danielopolu" al Academiei R.P.R. 2. Comitetul de redactie, Studii  
si cercetari de fiziologie (for Nitescu)

(DEFICIENCY DISEASES)

(BRAIN)

(COLOR)

(THIAMINE)

(METHYLENE BLUE)

(NEUTRAL RED)

SPIRCHES, T., prof.; STOICHITA, S., dr.; TAGORIAN, S., dr.; RUSSU, M., dr.;  
SCHIAU, S., dr.; CONSTANTINESCU, S., chimist; CLEJAN, L., chimist;  
BANDU, L., dr.

Secretory and motor disorders in the function of the operated stomach.  
Med. intern., Bucur 13 no.2:201-210 1961.

(GASTRECTOMY complications)  
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